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TECHNICAL DATA SHEET
H-77 Polyalkyleneoxide modified heptamethyltrisiloxane

CAS:27306-78-1

DESCRIPTION

H-77spray adjuvant is a superspreading surfactant based on a trisiloxane ethoxylate.**H-77** spray adjuvant lowers the surface tension of spray solutions, beyond that which is achievable with conventional adjuvants.

Typically, **H-77** spray adjuvant (@ 0.1 wt %) gives an aqueous surface tension of 20.5 mN/m. After the mixture with the pesticide solution at the certain proportion,It can lower the contact angle between the spray and foliage,which can enlarge the coverage of the spray. Furthermore,H-77 can make the pesticide absorded through the stomatal of leaves,which is extremely effective for improving efficacy,reducing amount of pesticide,saving cost,reducing environmental pollution caused by pesticides.

TYPICAL PROPERTIES

Appearance	Colourless to light amber liquid
Active content %	100%
Viscosity (cst)	15-25
Surface Tension (0.1%)	<20.5mN/m
Cloud point	<10

USES AND APPLICATION

H-77 is a super spreading and penetrating agent can be used in formulate or as a tank mix.

H-77, as a component of 0.5-8% in agrochemical formulations. Proposing regulation of pesticide formulations PH value of 6-8.

H-77, as a tank mix adjuvant , As usual, add 50g H-408 to 200kg spray solution (4000-times diluent).Generally,

Application	Typical Use Rate
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Plant Growth Regulators	0.025-0.05%
Herbicide	0.025-0.15%
Insecticide	0.025-0.1%
Fungicide	0.015-0.05%
Fertilizers and trace elements	0.015-0.1%

H-77 wetting properties are useful in various industrial applications e.g. Inks & coatings, Agriculture ,leather,textile and any other applications where strong surface tension reductions,wetting and spreading are desired.



Without H-77

With H-77

SAFETY

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

STORAGE AND SHELF LIFE

After sealing packaging products stored in a cool, dry place , **H-77** has a shelf life of 36 months from date of manufacture.

PACKAGING

H-77 is available in 200L drum and 1000L IBC or others.

LEGAL DISCLAIMER

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